AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Currently amended) A laundry and/or fabric care composition comprising:
 - a) from about 1% to about 80% by weight of surfactants selected from the group consisting of nonionic, anionic, cationic, amphoteric, zwitterionic surfactants, or mixtures thereof; and
 - b) from about 0.1% to about 5.0% by weight of a mixture of modified amylopectin starch based polymers and/or oligomers of the general formulas, alone or in combination formula:

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wherein each R is selected from the group consisting of R2, Rc, and

wherein:

- each R_2 is independently selected from the group consisting of H and C_1 - C_4 alkyl;

- each
$$R_C$$
 is $---(CH_2)y$ $-- C-OZ$

wherein each Z is independently selected from the group consisting of M, R2, Rc, and RH;

each R_H is independently selected from the group consisting of C₅ -C₂₀ alkyl, C₅-C₇ cycloalkyl, C₇-C₂₀ alkylaryl, C₇-C₂₀ arylalkyl, substituted alkyl, hydroxyalkyl, C₁-C₂₀ alkoxy-2-hydroxyalkyl, C₇-C₂₀ alkylaryloxy-2-hydroxyalkyl, (R₄)₂N-alkyl, (R₄)₂N-2-hydroxyalkyl, (R₄)₃ N-alkyl, (R₄)₃ N-2-hydroxyalkyl, C₆-C₁₂ aryloxy-2-hydroxyalkyl,

each R₄ is independently selected from the group consisting of H, C₁-C₂₀ alkyl, C₅-C₇ cycloalkyl, C₇-C₂₀ alkylaryl, C₇-C₂₀ arylalkyl, aminoalkyl, alkylaminoalkyl,

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dialkylaminoalkyl, piperidinoalkyl, morpholinoalkyl, cycloalkylaminoalkyl and hydroxyalkyl;

each R₅ is independently selected from the group consisting of H, C₁ -C₂₀ alkyl, C₅-C₇ cycloalkyl, C₇-C₂₀ alkylaryl, C₇-C₂₀ arylalkyl, substituted alkyl, hydroxyalkyl, (R₄)₂N-alkyl, and (R₄)₃ N-alkyl;

wherein:

M is a suitable cation selected from the group consisting of Na⁺, K⁺, 1/2Ca²⁺, 1/2Mg²⁺, or ⁺NH_jR_k wherein j and k are independently from 0 to 4 and wherein j + k is 4 and R in this formula is any moiety capable of forming a cation, preferably methyl and/or ethyl group or derivative; each x is from 0 to about 5;

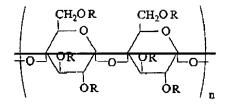
each y is from about 1 to about 5; and

provided that:

- the Degree of Substitution for group R_H is between about 0.001 and about 0.1, more preferably between about 0.005 and about 0.05, and most preferably between about 0.01 and about 0.05;
- the Degree of Substitution for group R_C wherein Z is H or M is between about 0 and about 2.0, more preferably between about 0.05 and about 1.0, and most preferably between about 0.1 and about 0.5;
- if any R_H bears a positive charge, it is balanced by a suitable anion; and
- two R₄'s on the same nitrogen can together form a ring structure selected from the group consisting of piperidine and morpholine.
- 2. (Original) The laundry and/or fabric care composition of claim 1, wherein each R_H is independently selected from the group consisting of C₅ -C₂₀ alkyl, C₅-C₇ cycloalkyl, C₇-C₂₀ alkylaryl, C₇-C₂₀ arylalkyl, substituted alkyl, hydroxyalkyl, C₁-C₂₀ alkoxy-2-hydroxyalkyl, (R₄)₂N-alkyl, (R₄)₂N-2-hydroxyalkyl, (R₄)₃ N-alkyl, (R₄)₃ N-2-hydroxyalkyl, and C₆-C₁₂ aryloxy-2-hydroxyalkyl.

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- 4. (Currently amended) The laundry and/or fabric care composition of claim 1, wherein the modified amylopectin starch based polymer and/or oligomer has an average molecular weight of from about 5,000 to about 2,000,000.
- 5. (Currently amended) The laundry and/or fabric care composition of claim 1, wherein the modified amylopectin starch based polymer and/or oligomer has an average molecular weight of from about 10,000 to about 1,000,000.
- 6. (Currently amended) A laundry additive composition comprising:
 - a) from about 1% to about 80% by weight of water; and
 - b) from about 0.1% to about 80.0% by weight of modified <u>amylopectin</u> starch based polymers and/or oligomers of the general <u>formula formulas</u>, alone or in combination:



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wherein each R is selected from the group consisting of R2, Rc, and

$$\begin{bmatrix}
CH_2 & CH & O \\
 & R_2
\end{bmatrix}_{\mathbf{X}} R_{\mathbf{H}}$$

wherein:

each R₂ is independently selected from the group consisting of H and C₁-C₄ alkyl;

O II
$$CH_2$$
)y— $C-OZ$

wherein each Z is independently selected from the group consisting of M, R2, Rc, and RH;

each R_H is independently selected from the group consisting of C₅-C₂₀ alkyl, C₅-C₇ cycloalkyl, C₇-C₂₀ alkylaryl, C₇-C₂₀ arylalkyl, substituted alkyl, hydroxyalkyl, C₁-C₂₀ alkoxy-2-hydroxyalkyl, (R₄)₂N-alkyl, (R₄)₂N-2-hydroxyalkyl, (R₄)₃ N-alkyl, (R₄)₃ N-2-hydroxyalkyl, C₆-C₁₂ aryloxy-2-hydroxyalkyl,

each R₄ is independently selected from the group consisting of H, C₁-C₂₀ alkyl, C₅-C₇ cycloalkyl, C₇-C₂₀ alkylaryl, C₇-C₂₀ arylalkyl, aminoalkyl, alkylaminoalkyl,

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dialkylaminoalkyl, piperidinoalkyl, morpholinoalkyl, cycloalkylaminoalkyl and hydroxyalkyl;

each R₅ is independently selected from the group consisting of H, C₁ -C₂₀ alkyl, C₅-C₇ cycloalkyl, C₇-C₂₀ alkylaryl, C₇-C₂₀ arylalkyl, substituted alkyl, hydroxyalkyl, (R₄)₂N-alkyl, and (R₄)₃ N-alkyl;

wherein:

M is a suitable cation selected from the group consisting of Na $^+$, K $^+$, 1/2Ca $^{2+}$, 1/2Mg $^{2+}$, or $^+$ NH_jR_k wherein j and k are independently from 0 to 4 and wherein j + k is 4 and R in this formula is any moiety capable of forming a cation, preferably methyl and/or ethyl group or derivative;

each y is from about 1 to about 5; and

each x is from 0 to about 5;

provided that:

- the Degree of Substitution for group R_H is between about 0.001 and about 0.1, more profesablybetween about 0.005 and about 0.05, and most preferably between about 0.01 and about 0.05;
- the Degree of Substitution for group R_C wherein Z is H or M is between about 0 and about 2.0, more preferably between about 0.05 and about 1.0, and most preferably between about 0.1 and about 0.5;
- if any R_H bears a positive charge, it is balanced by a suitable anion; and
- two R4's on the same nitrogen can together form a ring structure selected from the group consisting of piperidine and morpholine.
- 7. (Original) The laundry additive composition of claim 6, wherein each R_H is independently selected from the group consisting of C₅ -C₂₀ alkyl, C₅-C₇ cycloalkyl, C₇-C₂₀ alkylaryl, C₇-C₂₀ arylalkyl, substituted alkyl, hydroxyalkyl, C₁-C₂₀ alkoxy-2-hydroxyalkyl, C₇-C₂₀ alkylaryloxy-2-hydroxyalkyl, (R₄)₂N-alkyl, (R₄)₂N-2-hydroxyalkyl, (R₄)₃ N-alkyl, (R₄)₃ N-2-hydroxyalkyl, and C₆-C₁₂ aryloxy-2-hydroxyalkyl.

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- 9. (Curently amended) The laundry additive composition of claim 6, wherein the modified starch-based amylopectin polymer and/or oligomer has an average molecular weight of from about 5,000 to about 2,000,000.
- 10. (Curently amended) The laundry additive composition of claim 6, wherein the modified etareh-based amylopectin polymer and/or oligomer has an average molecular weight of from about 10,000 to about 1,000,000.
- 11. (Original) The laundry additive composition of claim 1, wherein the Degree of Substitution for group R_H is between about 0.01 and 0.05.
- 12. (Original) The laundry additive composition of claim 1, wherein the Degree of Substitution for group R_C wherein Z is H or M is between about 0.4 and 0.7.
- 13. (Original) The laundry additive composition of claim 6, wherein the Degree of Substitution for group R_H is between about 0.01 and 0.05.
- 14. (Original) The laundry additive composition of claim 6, wherein the Degree of Substitution for group R_C wherein Z is H or M is between about 0.4 and 0.7.
- 15. (Curently amended) A method for treating a fabric in need of treatment comprising contacting the fabric with a modified starch based amylopectin polymer and/or oligomer material according to Claim 1 such that the fabric is treated.
- 16. (Curently amended) The method according to Claim 15 wherein said modified starch based polymer and/or oligomer material is selected from the group consisting of: amylose, amylopectin and mixtures thereof.

Claims 17-21 (Cancel)